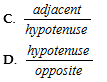
1. The sine of any right triangle is given by comparing which two sides?

**A**. 

**B**. 

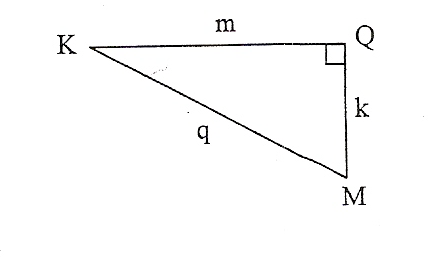
2. The tangent of any right triangle is given by comparing which two sides?



**A**. 

**B**. 

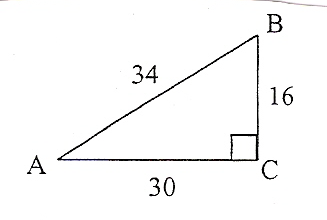
3. In the given right triangle, what ratio represents the tangent of angle M?

A. 

B. 

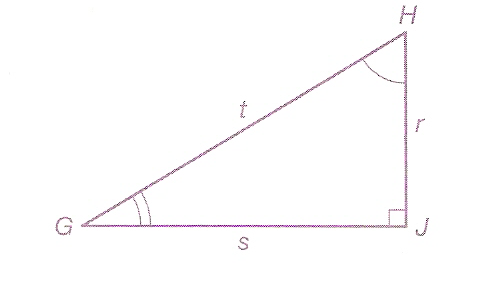
C. 

D. 

4. In the given right triangle, what is the cosine of angle A?

A.  C. 

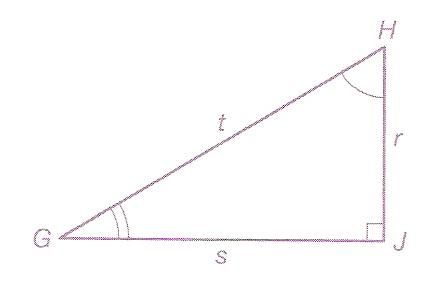
B.  D. 



5. Consider the diagram to the right. What is the tangent of angle H?

A.  C.

B.  D.

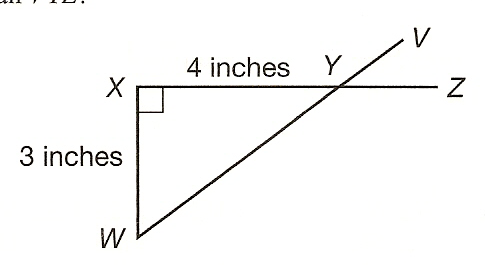
6. In the figure to the right, what is  ?

A. sine of angle G only

B. cosine of angle G only

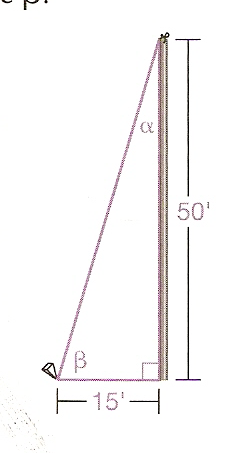
C. cosine of angle H only

D. sine of angle G and cosine of angle H.

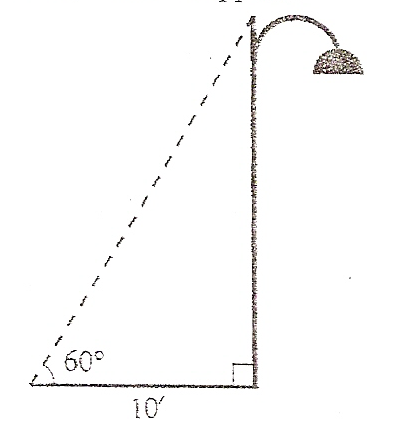
7. In the figure below, points X, Y, and Z are collinear, points W, Y, and V are collinear, and triangle WXY is a right triangle. If WX is 3 inches and XY is 4 inches, what is the tan VYZ?

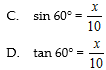
A.  C. 

B.  D. 

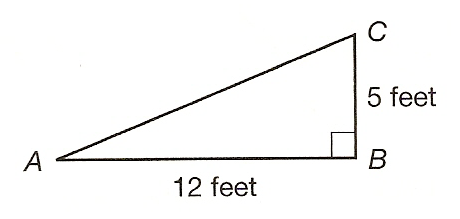
8. A wire is tied from the top of a 50 foot pole to a point on the ground, 15 feet away from the pole. Which equation could be used to find the measure of angle β ?

1. sin β = 
2. cos β = 

9. A lamppost, shown below, casts a 10ft. shadow when the sun is at a 60° angle with the ground. Which of the following equations gives the height x, in feet, of the lamppost?

1. cos 60° = 
2. cot 60° = 

10. For right triangle ABC, segment CB is 5 ft. and AB is 12 feet. Which expression is equivalent to sin A ?



A.  C. 

B.  D. 